DATE: 07/05/2001

TIME: 15:49:43

PCT

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              OHKAWA, JUN
      5
              KOSEKI, SHIORI
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     10 <130> FILE REFERENCE: 04853.0059-00000
                                                                    ENTERED
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C--> 13 <141> CURRENT FILING DATE: 2001-06-05
     15 <150> PRIOR APPLICATION NUMBER: PCT/JP99/04718
     16 <151> PRIOR FILING DATE: 1999-08-31
     18 <150> PRIOR APPLICATION NUMBER: JP 10/244755
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              sequence of Rz2
     34 <400> SEQUENCE: 1
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     36 uucgaaaccg ggcacuacaa acacaacacu gaugaggacc gaaagguccg aaacgggcac 120
     37 gucggaaacg guuuu
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     42 <212> TYPE: RNA
     43 <213> ORGANISM: Artificial Sequence
     45 <220> FEATURE:
     46 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
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              sequence of Rz3
     49 <400> SEQUENCE: 2
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     51 uucqaaaccg ggcacuacaa accaacacac aacacugaug aggaccgaaa gguccgaaac 120
     52 gggcacqueq gaaacqquuu u
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     57 <212> TYPE: RNA
    58 <213> ORGANISM: Artificial Sequence
     60 <220> FEATURE:
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    62
              sequence of Rzl
    64 <400> SEQUENCE: 3
    65 accquuqquu uccquaququ aguqquuauc acquucqccu aacacqcqaa agquccccqq 60
     66 uucgaaaccg ggcacccaca caacacugau gaguccguga ggacgaaacg ggcaccucga 120
    67 gcgcuuuu
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RAW SEQUENCE LISTING

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DATE: 07/05/2001 TIME: 15:49:43

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Input Set : A:\48530059.app

Output Set: N:\CRF3\07032001\1763590.raw

- 70 < 210 > SEQ ID NO: 4
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- 73 <213> ORGANISM: Artificial Sequence
- 75 <220> FEATURE:
- 76 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
- sequence of the transcript of human placental tRNA Val
- 79 <400> SEQUENCE: 4
- 80 accguugguu uccguagugu agugguuauc acguucgccu aacacgcgaa agguccccgg 60
- 81 uucqaaaccq qqcqqaaaca aaqacagucq cuuuu

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- 84 <210> SEQ ID NO: 5
- 85 <211> LENGTH: 149
- 86 <212> TYPE: RNA
- 87 <213> ORGANISM: Artificial Sequence
- 89 <220> FEATURE:
- 90 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
- 91 sequence of Rz4
- 93 <400> SEQUENCE: 5
- 94 accquugguu ucgguagugu agugguuauc acguucgccu aacacgcgaa agguccccq 60
- 95 uucgaaaccg ggcacccggg uggcugucac cggaagugcu uuccggucuc augaguccgu 120
- 96 gagggcgaaa cagccacucg agcgcuuuu

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- 99 <210> SEQ ID NO: 6
- 100 <211> LENGTH: 110
- 101 <212> TYPE: DNA
- 102 <213> ORGANISM: Artificial Sequence
- 104 <220> FEATURE:
- 105 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- sense oligonucleotide linker
- 108 <400> SEQUENCE: 6
- 109 aatteaggae tagtetttta ggteaaaaag aagaagettt gtaacegttg gttteegtag 60
- 110 tgtagtggtt atcacgttcg cctaacacgc gaaaggtccc cqqttcgaaq 110
- 113 <210> SEQ ID NO: 7
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- 115 <212> TYPE: DNA
- 116 <213> ORGANISM: Artificial Sequence
- 118 < 220> FEATURE:
- 119 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of an
- 120 antisense oligonucleotide linker
- 122 <400> SEQUENCE: 7
- 123 tegaettega aceggggace tttegegtgt taggegaacg tgataaceae tacactacqq 60
- 124 aaaccaacgg ttacaaagct tettettett tttgacctaa aagactagte etg
- 127 <210> SEQ ID NO: 8
- 128 < 211> LENGTH: 53
- 129 <212> TYPE: DNA
- 130 <213> ORGANISM: Artificial Sequence
- 132 <220> FEATURE:
- 133 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- 134 sense oligonucleotide linker
- 136 <400> SEQUENCE: 8

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Input Set : A:\48530059.app

Output Set: N:\CRF3\07032001\1763590.raw

137 cgaaaccggg cacccgggga atataacctc gagcgctttt tttctatcgc gtc 53 140 <210> SEQ ID NO: 9 141 <211> LENGTH: 54 142 <212> TYPE: DNA 143 <213> ORGANISM: Artificial Sequence 145 <220> FEATURE: 146 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of an 147 antisense oligonucleotide linker 149 <400> SEQUENCE: 9 150 tegacgegat agaaaaaaag egetegaggt tatatteece gggtgeeegg ttte 54 153 <210> SEQ ID NO: 10 154 <211> LENGTH: 23 155 <212> TYPE: DNA 156 <213> ORGANISM: Artificial Sequence 158 <220> FEATURE: 159 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of an 160 upper primer 162 <400> SEQUENCE: 10 23 163 cgccagggtt tcccagtcac gac 166 <210> SEQ ID NO: 11 167 <211> LENGTH: 101 168 <212> TYPE: DNA 169 <213> ORGANISM: Artificial Sequence 171 <220> FEATURE: 172 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a 173 lower primer including the sequences of Rz1 and a 174 terminator 176 <400> SEQUENCE: 11 177 etgeaggteg aegegataga aaaaaagege tegaggtgee egtttegtee teaeggaete 60 178 atcagtgttg tgtgggtgcc cggtttcgaa ccgggacctt t 181 <210> SEO ID NO: 12 182 <211> LENGTH: 109 183 <212> TYPE: DNA 184 <213> ORGANISM: Artificial Sequence 186 <220> FEATURE: 187 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a 188 lower primer including the sequences of Rz2 and a terminator 191 <400> SEQUENCE: 12 192 etgeaggteg aegegataga aaaaaaeegt tteegaegtg eeegtttegg teettteggt 60 193 cctcatcagt gttgtgtttg tagtgcccgg tttcgaaccg gggaccttt 196 <210> SEQ ID NO: 13 197 <211> LENGTH: 106 198 <212> TYPE: DNA 199 <213> ORGANISM: Artificial Sequence 201 <220> FEATURE: 202 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a 203 lower primer including the sequences of Rz3 and a 204 terminator

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Input Set : A:\48530059.app

Output Set: N:\CRF3\07032001\1763590.raw

- 206 <400> SEQUENCE: 13
- 207 etgeaggteg aegegataga aaaaaaeegt tteegaegtg eeegtttegg teeteateag 60
- 208 tqttqtqtqt tqqtttqtag tqcccqqttt cgaaccgggg accttt
- 211 <210> SEQ ID NO: 14
- 212 <211> LENGTH: 40
- 213 <212> TYPE: DNA
- 214 <213> ORGANISM: Artificial Sequence
- 216 <220> FEATURE:
- 217 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- probe specific for the reference RNA
- 220 <400> SEQUENCE: 14
- 40 221 aaatogotat aaaaagogot ogaggttatg otoocogggt
- 224 <210> SEQ ID NO: 15
- 225 <211> LENGTH: 16
- 226 <212> TYPE: DNA
- 227 <213> ORGANISM: Artificial Sequence
- 229 <220> FEATURE:
- 230 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
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- 233 <400> SEQUENCE: 15
- 234 ctcatctgtg ttgtgt
- 16
- 237 <210> SEQ ID NO: 16
- 238 <211> LENGTH: 20
- 239 <212> TYPE: DNA
- 240 <213> ORGANISM: Artificial Sequence
- 242 <220> FEATURE:
- 243 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- 244 primer for b-actin
- 246 <400> SEQUENCE: 16
- 247 gtggccatct cttgctcgaa
- 250 <210> SEQ ID NO: 17
- 251 <211> LENGTH: 18
- 252 <212> TYPE: DNA
- 253 <213> ORGANISM: Artificial Sequence
- 255 <220> FEATURE:
- 256 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- 257 primer for the ribozyme
- 259 <400> SEQUENCE: 17
- 260 gacctttegg tecteate
- 263 <210> SEQ ID NO: 18
- 264 <211> LENGTH: 20
- 265 <212> TYPE: DNA
- 266 <213> ORGANISM: Artificial Sequence
- 268 <220> FEATURE:
- 269 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of an
- 270 upper oligonucleotide primer
- 272 <400> SEQUENCE: 18
- 273 gactacetea tgaagateet
- 276 <210> SEQ ID NO: 19

RAW SEQUENCE LISTING
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Input Set : A:\48530059.app

Output Set: N:\CRF3\07032001\1763590.raw

- 277 <211> LENGTH: 20 278 <212> TYPE: DNA
- 279 <213> ORGANISM: Artificial Sequence
- 281 <220> FEATURE:
- 282 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- lower oligonucleotide primer
- 285 <400> SEQUENCE: 19
- 286 qtggccatct cttgctcgaa

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- 289 <210> SEQ ID NO: 20
- 290 <211> LENGTH: 18
- 291 <212> TYPE: DNA
- 292 <213> ORGANISM: Artificial Sequence
- 294 <220> FEATURE:
- 295 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of an
- 296 upper oligonucleotide primer
- 298 <400> SEQUENCE: 20
- 299 gttatcacgt tcgcctaa

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- 302 <210> SEQ ID NO: 21
- 303 <211> LENGTH: 18
- 304 <212> TYPE: DNA
- 305 <213> ORGANISM: Artificial Sequence
- 307 <220> FEATURE:
- 308 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- 309 lower oligonucleotide primer
- 311 <400> SEQUENCE: 21
- 312 gacetttegg teeteate

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- 315 <210> SEQ ID NO: 22
- 316 <211> LENGTH: 18
- 317 <212> TYPE: DNA
- 318 <213> ORGANISM: Artificial Sequence
- 320 <220 > FEATURE:
- 321 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- 322 probe specific for the ribozyme
- 324 <400> SEQUENCE: 22
- 325 acgcgaaagg tccccggt

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19

- 328 < 210 > SEQ ID NO: 23
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- 330 <212> TYPE: DNA
- 331 <213> ORGANISM: Artificial Sequence
- 333 <220> FEATURE:
- 334 <223> OTHER INFORMATION: Description of Artificial Sequence: Sequence of a
- 335 probe specific for b-actin
- 337 <400> SEQUENCE: 23
- 338 gogggaaaat ogtgogtga

- 341 <210> SEQ ID NO: 24 342 <211> LENGTH: 38
- 343 <212> TYPE: RNA
- 344 <213> ORGANISM: Artificial Sequence
- 346 <220> FEATURE:

VERIFICATION SUMMARY

DATE: 07/05/2001

PATENT APPLICATION: US/09/763,590

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Input Set : A:\48530059.app

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date